

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Wotalla Davis Examiner #: 78462 Date: 6-8-01
 Art Unit: 1642 Phone Number 308-6410 Serial Number: 09/71788
 Mail Box and Bldg/Room Location: 8E12 CM1 9809 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: 11-22-99

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search claims 1-3

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JUN -8 2001

STIC

STAFF USE ONLY**Type of Search****Vendors and cost where applicable**

Searcher: _____	NA Sequence (#) _____	STN <u>101</u> ⁶⁰
Searcher Phone #: <u>Point of Contact:</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>Technical Info. Specialist</u>	Structure (#) _____	Questel/Orbit _____
<u>CM1-12C14 Tel: 308-4491</u>	Bibliographic <u>✓</u>	Dr.Link _____
Date Searcher Picked Up: <u>6-28-01</u>	Litigation _____	Lexis/Nexis _____
Date Completed: <u>6-28-01</u>	Fulltext _____	Sequence Systems _____
Searcher Prep & Review Time: _____	Patent Family _____	WWW/Internet _____
Clerical Prep Time: _____	Other _____	Other (specify) _____
Online Time: _____		

=> davis

(FILE 'HCAPLUS' ENTERED AT 13:21:57 ON 28 JUN 2001)
DEL HIS Y

FILE MEDLINE, BIOSIS, WPI, HCAPLUS, EMBASE ENTERED AT 13:22:29 ON 28 JUN 2001

L1 1 S OVR107 OR OVR 107
L2 1 S (OVR107 OR OVR 107)/AB
L3 1 S L1 OR L2

=> d all 13

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS
AN 2001:396694 HCAPLUS
TI A novel method of diagnosing, monitoring, staging, imaging and treating cancer
IN Salceda, Susana; Cafferkey, Robert; Lou, Xing Jian; Recipon, Herve; Sun, Yongming
PA Diadexus, Inc., USA
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM A61K039-00
ICS A61K048-00; A61K049-00; C07H021-02; C07H021-04; C07K014-00; C12N015-11; C12N015-63; C12P019-34; C12Q001-68; G01N033-53
CC 15-2 (Immunochemistry)
Section cross-reference(s): 1, 3, 63, 14

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001037864	A1	20010531	WO 2000-US31896	20001121
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				

PRAI US 1999-166818 P 19991122

AB The present invention provides new markers and methods for detecting, diagnosing, monitoring, staging, prognosticating, imaging and treating cancer. Diagnostic marker for cancer comprises **Ovr107**, and anti-**Ovr107** antibody or labeled antibody and fragments are used for imaging and monitoring cancer, as well as for identifying potential therapeutic agents. Genetic primers were used for detecting **Ovr107** mRNA expression and for diagnosing cancer and metastasis.

ST **Ovr107** cancer metastasis marker antibody primer

IT Adoptive immunotherapy

Antitumor agents

Body fluid

DNA sequences

Gene therapy

Imaging

Labels

Molecular cloning

Ovary, neoplasm

Tumor markers

- Vaccines
 - (Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Radionuclides
 - RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 - (Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Molecules
 - (Ovr107-downregulating; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Drug screening
 - (cancer therapeutic; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Diagnosis
 - Prognosis
 - (cancer; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Ovary, neoplasm
 - (carcinoma; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Cytotoxic agents
 - (conjugates; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Neoplasm
 - (diagnosis; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Immunoglobulins
 - RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 - (fragments; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Paramagnetic materials
 - (label; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Neoplasm
 - (metastasis; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Antibodies
 - RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 - (monoclonal; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Antibodies
 - RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 - (polyclonal and omniclonal; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Animal cell
 - Animal tissue
 - (sample; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)
- IT Antigens
 - RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

(tumor-assocd., **Ovr107**; **Ovr107** as marker for
diagnosing, prognosticating, monitoring, staging, imaging and treating
cancer)
IT 343284-82-2 343284-83-3 343284-84-4
RL: ARG (Analytical reagent use); PRP (Properties); THU (Therapeutic
use);
ANST (Analytical study); BIOL (Biological study); USES (Uses)
(**Ovr107** as marker for diagnosing, prognosticating,
monitoring, staging, imaging and treating cancer)
IT 343287-27-4
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study);
USES
(Uses)
(amino acid sequence; **Ovr107** as marker for diagnosing,
prognosticating, monitoring, staging, imaging and treating cancer)
RE.CNT 2
RE
(1) Bodey, B; Anticancer Research 2000, V20, P2665 HCAPLUS
(2) Goodison, S; Histopathology 1998, V32, P1 MEDLINE

=> fil reg

FILE 'REGISTRY' ENTERED AT 14:10:07 ON 28 JUN 2001
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STRUCTURE FILE UPDATES: 27 JUN 2001 HIGHEST RN 343764-40-9
 DICTIONARY FILE UPDATES: 27 JUN 2001 HIGHEST RN 343764-40-9

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Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
 for details.

=> d que 12

L2 2 SEA FILE=REGISTRY ABB=ON
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 TCCCTCGGG/SQSN

=> d 12 sqide 1-2

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS
 RN 343287-27-4 REGISTRY
 CN INDEX NAME NOT YET ASSIGNED
 FS NUCLEIC ACID SEQUENCE
 SQL 1635
 NA 322 a 511 c 548 g 249 t 5 n
 NTE doublestranded

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HITS AT: 24-1477

MF Unspecified

CI MAN

SR CA

LC STN. Files: CAPLUS

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS

RN 256624-37-0 REGISTRY

CN GenBank: AK000265 (9CI) (CA INDEX NAME)

FS NUCLEIC ACID SEQUENCE

SQL 2228

NA 467 a 673 c 775 g 313 t

NTE singlestranded

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HITS AT: 611-2063
 MF Unspecified
 CI MAN
 SR GenBank
 LG STN Files: GENBANK

=> fil hcaplus

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FILE COVERS 1947 - 28 Jun 2001 VOL 135 ISS 1
 FILE LAST UPDATED: 27 Jun 2001 (20010627/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d his 13

(FILE 'REGISTRY' ENTERED AT 14:05:48 ON 28 JUN 2001)

FILE 'HCAPLUS' ENTERED AT 14:09:47 ON 28 JUN 2001

FILE 'REGISTRY' ENTERED AT 14:10:07 ON 28 JUN 2001

FILE 'HCAPLUS' ENTERED AT 14:10:30 ON 28 JUN 2001

=> d all

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS
 AN 2001:396694 HCAPLUS
 TI A novel method of diagnosing, monitoring, staging, imaging and treating cancer
 IN Salceda, Susana; Cafferkey, Robert; Lou, Xing Jian; Recipon, Herve; Sun, Yongming
 PA Diadexus, Inc., USA
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM A61K039-00
 ICS A61K048-00; A61K049-00; C07H021-02; C07H021-04; C07K014-00; C12N015-11; C12N015-63; C12P019-34; C12Q001-68; G01N033-53
 CC 15-2 (Immunochemistry)
 Section cross-reference(s): 1, 3, 63, 14
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001037864	A1	20010531	WO 2000-US31896	20001121
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
PRAI	US 1999-166818	P	19991122		
AB	The present invention provides new markers and methods for detecting, diagnosing, monitoring, staging, prognosticating, imaging and treating cancer. Diagnostic marker for cancer comprises Ovr107, and anti-Ovr107 antibody or labeled antibody and fragments are used for imaging and monitoring cancer, as well as for identifying potential therapeutic agents. Genetic primers were used for detecting Ovr107 mRNA expression and for diagnosing cancer and metastasis.				
ST	Ovr107 cancer metastasis marker antibody primer				
IT	Adoptive immunotherapy Antitumor agents Body fluid DNA sequences Gene therapy Imaging Labels Molecular cloning Ovary, neoplasm Tumor markers Vaccines (Ovr107 as marker for diagnosing, prognosticating, monitoring, staging,				

imaging and treating cancer)

IT Radionuclides
 RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Molecules
 (Ovr107-downregulating; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Drug screening
 (cancer therapeutic; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Diagnosis
 Prognosis
 (cancer; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Ovary, neoplasm
 (carcinoma; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Cytotoxic agents
 (conjugates; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Neoplasm
 (diagnosis; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Immunoglobulins
 RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (fragments; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Paramagnetic materials
 (label; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Neoplasm
 (metastasis; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Antibodies
 RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (monoclonal; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Antibodies
 RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
 (polyclonal and omniclonal; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Animal cell
 Animal tissue
 (sample; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT Antigens
 RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (tumor-assocd., Ovr107; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

Davis 09/717,883

IT 343284-82-2 343284-83-3 343284-84-4

RL: ARG (Analytical reagent use); PRP (Properties); THU (Therapeutic use);

ANST (Analytical study); BIOL (Biological study); USES (Uses)
(Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

IT ~~343287-27-4~~

RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES

(Uses)
(amino acid sequence; Ovr107 as marker for diagnosing, prognosticating, monitoring, staging, imaging and treating cancer)

RE.CNT 2

RE

- (1) Bodey, B; Anticancer Research 2000, V20, P2665 HCAPLUS
- (2) Goodison, S; Histopathology 1998, V32, P1 MEDLINE

=> fil reg

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TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=> d que 11

L1 1 SEA FILE=REGISTRY ABB=ON ~~256624-37-0~~

=> fil genbank

FILE 'GENBANK' ENTERED AT 14:17:20 ON 28 JUN 2001

GENBANK (R) IS A REGISTERED TRADEMARK OF THE U.S. DEPARTMENT
OF HEALTH AND HUMAN SERVICES.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his 12

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~~12~~ ~~GENBANK~~ ~~FILE~~

FILE 'REGISTRY' ENTERED AT 14:17:15 ON 28 JUN 2001

FILE 'GENBANK' ENTERED AT 14:17:20 ON 28 JUN 2001

=> d all

L2 ANSWER 1 OF 1 GENBANK.RTM. COPYRIGHT 2001

LOCUS (LOC): ~~AK000265~~ GenBank (R)
~~GenBank~~ ACC NO. (GBN): AK000265
CAS REGISTRY NO. (RN): ~~256624-37-0~~
SEQUENCE LENGTH (SQL): 2228
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Primates
DATE (DATE): 22 Feb 2000
DEFINITION (DEF): Homo sapiens cDNA FLJ20258 fis, clone COLF7250.

KEYWORDS (ST): oligo capping; fis (full insert sequence)
 SOURCE: Homo sapiens colon mucosa cDNA to mRNA, clone_lib:ColF
 clone:COLF7250.
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
 Homo
 NUCLEIC ACID COUNT (NA): 467 a 673 c 775 g 313 t
 COMMENT:

NEDO human cDNA sequencing project supported by Ministry of
 International Trade and Industry of Japan; cDNA full insert
 sequencing: Research Association for Biotechnology; cDNA library
 construction, 5'- & 3'-end one pass sequencing: Department of
 Virology and Human Genome Center, Institute of Medical Science,
 University of Tokyo (partly supported by Science and Technology
 Agency).

REFERENCE: 1 (sites)
 AUTHOR (AU): Watanabe,K.; Kumagai,A.; Itakura,S.; Yamazaki,M.;
 Tashiro,H.; Ota,T.; Suzuki,Y.; Obayashi,M.; Nishi,T.;
 Shibahara,T.; Tanaka,T.; Nakamura,Y.; Isogai,T.;
 Sugano,S.
 TITLE (TI): NEDO human cDNA sequencing project
 JOURNAL (SO): Unpublished (2000)
 REFERENCE: 2 (bases 1 to 2228)
 AUTHOR (AU): Sugano,S.; Suzuki,Y.; Ota,T.; Obayashi,M.; Nishi,T.;
 Isogai,T.; Shibahara,T.; Tanaka,T.; Nakamura,Y.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (15-FEB-2000) to the DDBJ/EMBL/GenBank
 databases. Sumio Sugano, Institute of Medical Science,
 University of Tokyo, Deptment of Virology;
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 Fax:81-3-5449-5416)

FEATURES (FEAT):

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